Aerial photography shown on this sheet, obtained October 8, 1979, covers parts of the Rocky Creek and Sweetwater Creek basins. Flooded areas were delineated using supplemental aerial photography of August 24 and October 6, ineated using supplemental aerial photography of August 24 and October 6, 1979, and photobase topographic maps with 1-foot contours. The inundated area boundary around gaged lakes was outlined on the 1-foot contour maps at the recorded maximum stage. The inundated area boundaries around ungaged lakes and low-lying depressions were based on observed highwater marks or were estimated from the difference in altitude of the water on the date of photography and the maximum stage recorded on nearby gaged lakes. About 90 percent of the photography area is in the Rocky Creek basin, remaining coverage in the southeast corner, is in the Sweetwater. basin; remaining coverage, in the southeast corner, is in the Sweetwater Creek basin. The State of Florida base map below shows location of the study area and an index map shows location of the area covered by this sheet and the other 11 inundation maps in this report. Parts of large developments covered by this sheet include: Carrollwood Springs, west of Dale Mabry and north of Ehrlich Road; Carrollwood Village, west of Dale Mabry and south of Ehrlich Road; Northlakes, east of Dale Mabry Highway and north of Smitter Road; and Northdale, west of Dale Mabry Highway and north of Ehrlich Road (fig. 2, table 1). Other developments include Orangewood Estates and several smaller develop-ments near the southeast corner of the sheet. A number of private residences are located near Lake Magdalene. Lowland areas in Northdale, east of Dale Mabry Highway and north of Smitter Road, and areas near Lake Magdalene are shown on sheets 9, 10, and 11. Magdalene are shown on sheets 9, 10, and 11.

All lake stages are in feet above the National Geodetic Vertical Datum of 1929 (NGVD of 1929). Stage records have been collected on Lake Magdalene (site 19, fig. 1, table 4) since 1946. The 1979 stage hydrographs shown in figure 29 for Lake Magdalene indicate that stages in May, August, and September exceeded maximum month-end stages for the period of record. The maximum 1979 stage of 50.80 feet occurred on September 27 and 28. According to the stage-frequency curve shown in figure 30, this stage is expected to be exceeded about once every 15 years, on the average.

Flooding in other areas in the Rocky Creek and Sweetwater Creek basins are shown on sheets 2-7. 9, and 10 and on sheets 7 and 9-13, respectively.

are shown on sheets 2-7, 9, and 10 and on sheets 7 and 9-13, respectively.

BASED ON ANNUAL MAXIMUM STAGES, MAY-TO-APRIL CLIMATIC YEARS, 1979 Annual maximum stage 5 10 25 50

RECURRENCE INTERVAL, IN YEARS Figure 30.—Stage-frequency curve for Lake Magdalene near Lutz.

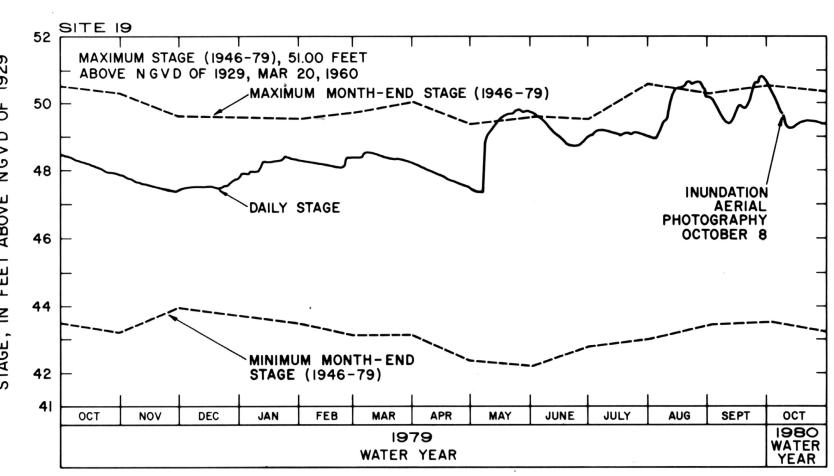
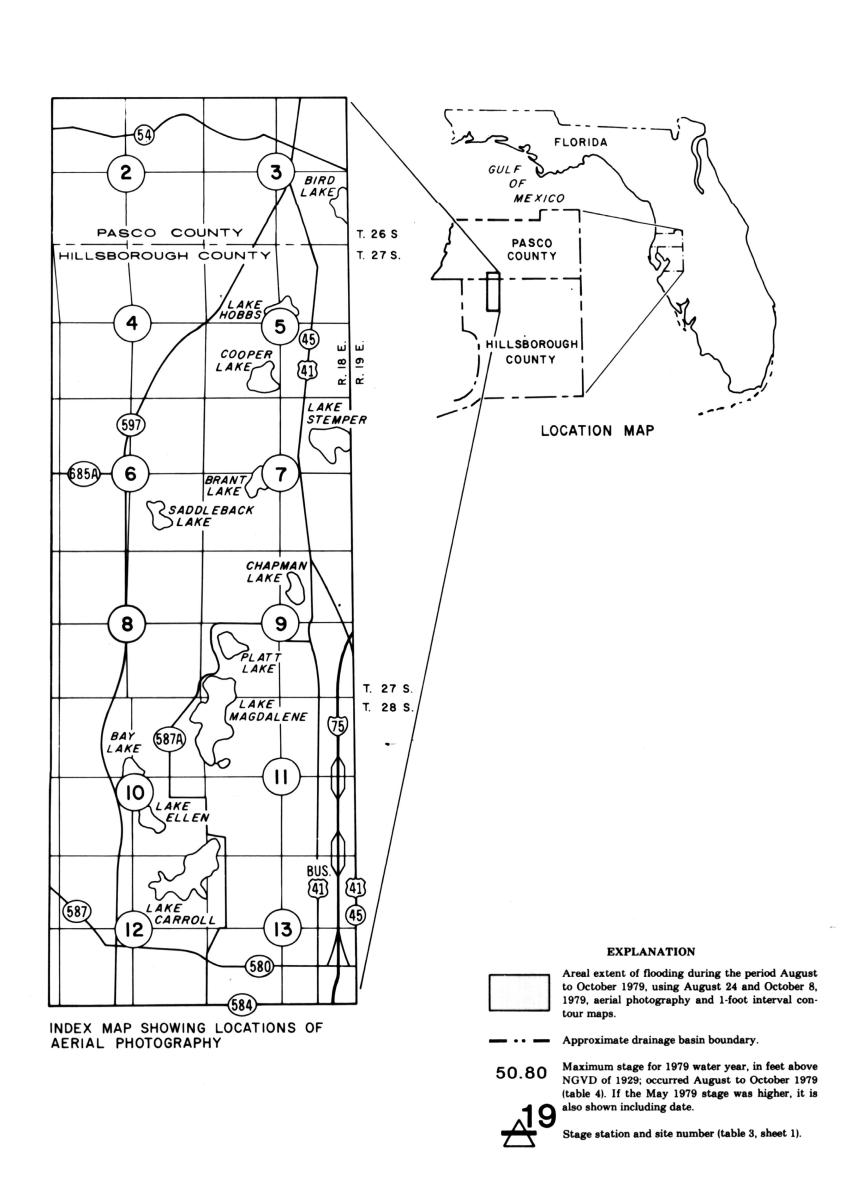


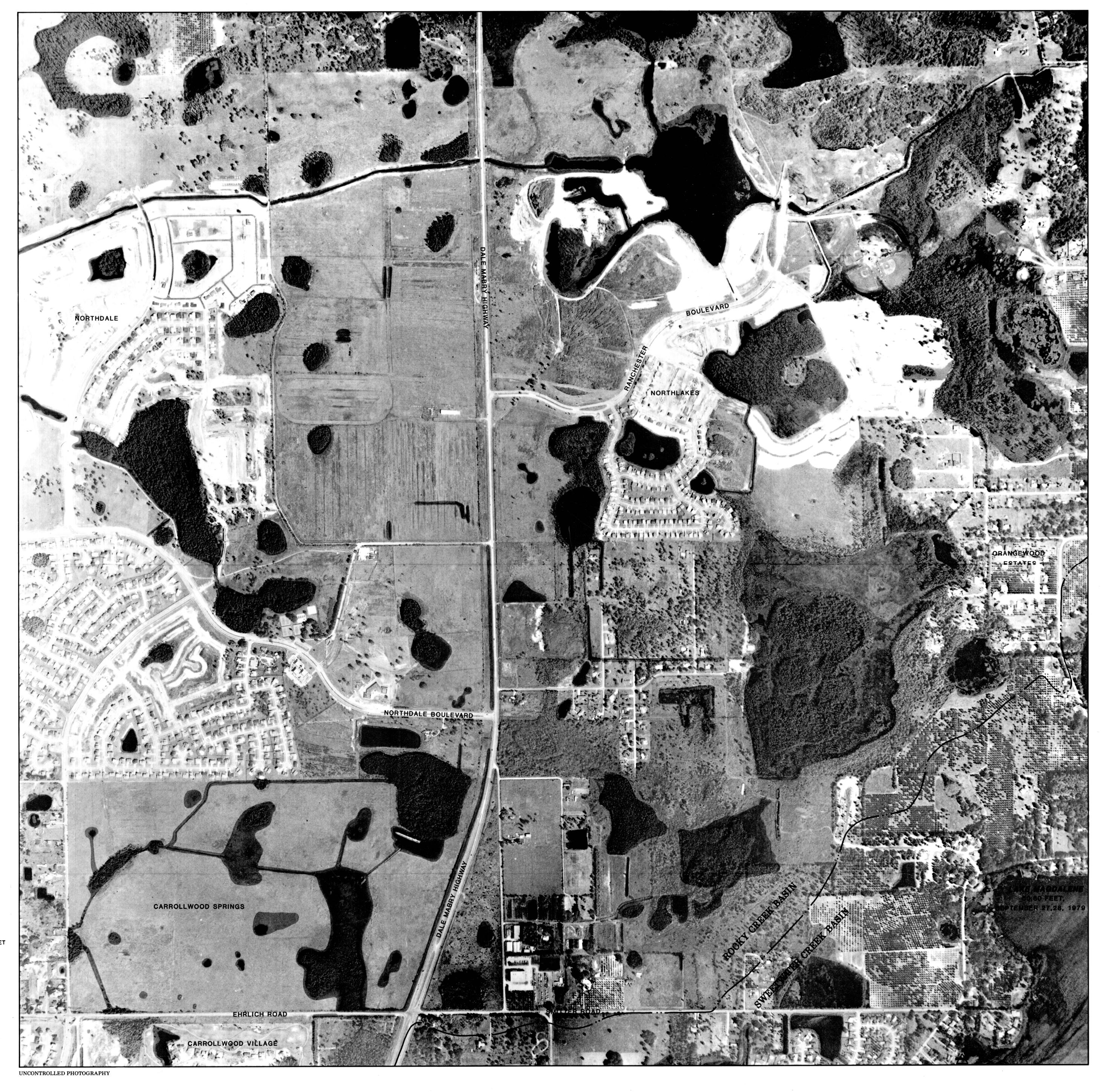
Figure 29.—Stage hydrographs for Lake Magdalene near Lutz.



FLOOD DELINEATION BY
SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT USING PHOTOGRAMMETRIC METHODS

AERIAL PHOTOGRAPHY BY KUCERA AND ASSOCIATES, INC. (SHEETS 2-11, OCTOBER 8, 1979) ABRAM AERIAL SURVEY (SHEETS 12, 13, OCTOBER 5, 1979)

UNDER CONTRACT WITH SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT



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